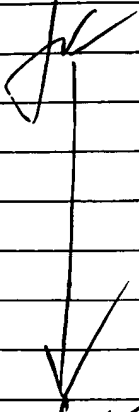


FORM PTO-1449 (REV 7-80)	Atty. Docket No. 03029 (3600-374-11)	Application No. 10/649,348
INFORMATION DISCLOSURE STATEMENT	APPLICANT: BROWN et al.	
	Filing Date: August 27, 2003	Group Art Unit: 2856

U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE, IF APPROPRIATE
		3,229,507	1/18/66	Sljaka et al.	73	59	
		4,093,421	6/6/78	Jerkins	23	259.5	
		4,878,379	11/7/89	Deer	73	60	
		4,992,190	2/12/91	Shtarkman	252	62.52	
		5,303,578	4/19/94	Williams et al.	73	54.24	
		5,405,623	4/11/95	Barkalow et al.	426	5	
		5,792,941	8/11/98	Rye et al.	73	53.01	
		2003/0097871 A1	5/29/03	Mansky	73	64.49	
		2003/0164027 A1	9/4/03	Terrom	73	64.48	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
EP 0253290	1/20/88	EPO	C03G	9/08	X
EP 0453625	10/30/91	EPO	C09K	7/02	X
EP 0919801	6/2/99	EPO	G01N	13/02	
GB 2378716	2/19/03	Great Britain	C09K	7/02	X

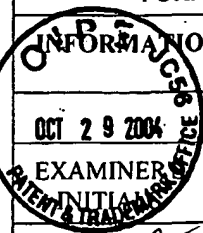
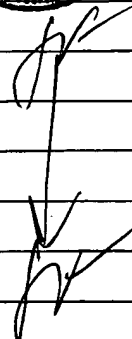
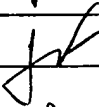


OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	International Search Report and Written Opinion for PCT/US2004/010261 dated October 19, 2004.
	International Search Report and Written Opinion for PCT/US2004/010267 dated October 15, 2004.
	International Search Report and Written Opinion for PCT/US2004/010259 dated October 21, 2004.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV 7-80)		Atty. Docket No. 03029 (3600-374-11)		Application No. 10/649,348	
INFORMATION DISCLOSURE STATEMENT 		APPLICANT: BROWN et al.			
		Filing Date: August 27, 2003		Group Art Unit: 2856	
U.S. PATENT DOCUMENTS					
EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	FILING DATE, IF APPROPRIATE
	5,190,739	5/2/93	MacKay et al.	423	450
	5,211,932	5/18/93	Blaylock et al.	423	450
	5,688,317	11/18/97	MacKay et al.	106	476
	5,974,167	10/26/99	Reszler	382	141
	6,156,837	12/5/00	Branan, Jr. et al.	524	495
	2003/0162876 A1	8/28/03	Vanier et al.	524	437
	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)				
	Attachment A - Development History				
	Strom, "Wetting studies related to offset printing," Vol. 50-04C, pp. 768 (1988) Abstract only				
	Tikhonov, "On the evaluation of the work of adhesion, cohesion, and surface tension of high - viscous and solid bodies," Kolloidn Zh, Vol. 53, No. 3, pp. 552-558 (1991) Abstract only				
	Janczuk, et al., "Surface free energy components and adsorption properties of some porous glasses," Mater Chem Phys. Vol. 25, No. 2, pp. 185-198 (1990) Abstract only				
	Janczuk, et al., "Surface free energy of celestite and its flotation activity," Colloids Surf. Vol. 35, No. 1, pp. 41-48 (1989) Abstract only				
	Wojcik et al., "Gas-adsorption studies on correlations between the flotability of minerals and the work of water adhesion to their surfaces," Colloids Surf. Vol. 30, No. 3-4, pp. 275-285 (1988) Abstract only				
	Lipatov, "Adhesion at the polymer mixtures-solid interface," Vide, Couches Minces, Vol. 50 (274), pp. 415-420 (1994) Abstract only				
	Hill, "Wall slip in polymer melts: A pseudo-chemical model," J. Rheol. Vol. 42, No. 3, pp. 581-601 (1998) Abstract only				
	Scheie, "The upward force on liquid in a capillary tube," Am. J. Phys. Vol. 57, No. 3, pp. 278-289 (1989) Abstract only				
	Lee et al., "Effects of polymer-filler interaction on the mechanical properties of nylon 6,6 filled with organosilane-treated fillers," J. Adhes. Sci. Technol., Vol. 3, No. 4, pp. 291-303 (1989) Abstract only				
	Abramzon et al., "Determination of the work of adhesion and cohesion" ZH. Prikladnoi Khim, Vol. 53, No. 5, pp. 1040-1043 (1980) Abstract only				
	Mangipudi et al., Direct measurement of molecular level adhesion between poly(ethylene terephthalate) and polyethylene films: Determination of surface and interfacial energies," J. Adhesion Sci. Technol., Vol. 8, No. 11, pp. 1251-1270 (1994) Abstract only				
	Owen, "Surface properties of silicone release coatings," Proc. First Internat. Congress on Adhesion Science and Technology, pp. 255-263 (1995) Abstract only				
	Kaya, "The effect of pore fluid contamination on a selected physico-chemical parameters of fine grained soils (Adsorption, Conductivity), Vol. 57-05B, p. 3354 (1996) Abstract only				
	Qin, "Adhesion properties of polymeric materials (Asphalts, Cohesion), Vol. 57-02B, p. 1260 (1995) Abstract only				

JS	Stepanov, "Electrocapillary behaviour of liquid bismuth in binary melts of strontium chloride with sodium and cesium chlorides," <i>Ehlektrokhimiya</i> , Vol. 30, No. 8, pp. 1032-1038 (1994) Abstract only
	Kulawik, et al., "Kinetics of the molecular interactions in some extraction system," ISEC '88 International solvent extraction Conference, Vol. 2, pp. 77-78 (1988) Abstract only
	Nardin et al., "Stress transfer analysis in fibre/elastomer interfaces," <i>Comptes-Rendus des Huitiemes Journess Nationales sur les Composites</i> , "pp. 289-300 (1992) Abstract only
	Maugis, "Adherence and Fracture Mechanics," <i>Adhesive Bonding</i> , pp. 303-335 (1991) Abstract only
	Wan et al., "Surface forces at crack interfaces in mica in the presence of capillary condensation," <i>Acta Metallurgia et Materialia</i> , Vol. 38, No. 11, pp. 2073-2083 (1990) Abstract only
	Savenko et al., "Effect of diamond-like carbon coatings on the mechanical properties of subsurface layers of single crystals of silicon," <i>Physics and Chemistry of Materials Treatment</i> , Vol. 31, No. 2, pp. 149-153 (1997) Abstract only
	Lellig et al., "Glass and polymer: wetting and adhesion," <i>Glass Science and Technology</i> , Vol. 69, No. 11, pp. 357-367 (1996) Abstract only
	Maugis, "Adherence of elastomers: fracture mechanics aspects," <i>Journal of Adhesion</i> , Vol. 23, No. 1, pp. 61-66 (1987) Abstract only
	Riande et al., "Fundamental aspects of the adhesion of polymers," <i>Revista de Plasticos Modernos</i> , Vol. 80, No. 530, pp. 170-179 (2000) Abstract only
	Gilbert, "Surface treatments for particulate fillers in plastics," <i>Plastics Additives. AN A-Z reference</i> , pp. 590-603 (1998) Abstract only
	Maltese, "Interfacial energy between polymers," <i>Materie Plastiche ed Elastomeri</i> , VVol. 64, Nos. 1/2, pp. 74-78 (1999) Abstract only
	Cherry et al., "Predicting work of adhesion using molecular modeling," <i>Adhesion '96, Conference Proceed.</i> , Vol. 1, pp. 299-304 (1996) Abstract only
	Feinerman et al., "Rule of interfacial equilibrium," <i>J. Adhesion</i> , Vol. 60, Nos. 1-4, pp. 99-112, (1997) Abstract only
	Geraghty et al., "Investigation of parameters influencing bioadhesive properties of myverol 18-99/water gels," <i>Biomaterials</i> , Vol. 18, No. 1, pp. 63-67 (1997) Abstract only
	Wimolkietisak et al., "Directly paintable, high adhesion polyolefin compounds, <i>Plast' 21</i> No. 43, pp. 44-47 (1995) Abstract only
	Drzal, et al., "Adhesion of carbon fibres to polycarbonate matrices: interphase composition and structure," <i>Antec '95. Vol. II, Conference Proceedings</i> , pp. 2877-2881 (1995) Abstract only
	Moore, "Wetting in rubber-to-metal bonding agents," <i>Rubb. Plast. News</i> , Vol. 24, No. 7, pp. 17-18 (1994) Abstract only
	Mangipudi et al., "Adhesion of thin polymer films: Effects of surface and interfacial energies and rheological properties," <i>Antec '93 Conference Proceedings</i> , Vol. III, pp. 3099-3100, (1993) Abstract only
	Bautista et al., "Surface characterization of polypropylene used as a matrix in composite materials," <i>Rev. Plast. Mod.</i> Vol. 66, No. 449, pp. 505-509 (1993) Abstract only
	Pritykin et al., "New thermodynamic characteristics of polymer adhesive properties," <i>International Adhesion Conference</i> , p 11.1-3 (1984) Abstract only
✓	Moskvitin, "Physicochemical Principles of Gluing and Adhesion processes, NSF, Rpt. No. SFCSI-Agr (TT-68-50368, p. 197 (1969) Abstract only
JK	Mayne, "Further developments with epoxy/polyamine films," <i>Corros. Sci.</i> , Vol. 35, Nos. 5/8, pp. 1359-1361 (1993) Abstract only

	Padday, "Spreading, wetting, and contact angles," J. Adhes. Sci. Tech., Vol. 6, No. 12, pp. 1347-1358 (1992) Abstract only
	Mark, "Future improvements in cohesive and adhesive strength of polymers. I.," Adhesives Age, Vol. 22, No. 7, pp. 35-40 (1979) Abstract only
	Hansen, "The three dimensional solubility parameter - key to paint component affinities: I. Solvents, Plasticizers, Polymers, and Resins," Journal of Paint Technology, Vol. 39, No. 505, pp. 104-117 (1967)
	Hansen, "The three dimensional solubility parameter - key to paint component affinities: II and III - II. Solvents, Plasticizers, Polymers, and Resins," Journal of Paint Technology, Vol. 39, No. 511, pp. 505-510 (1967)
	Hansen, "III. Independent calculation of the parameter components," Journal of Paint Technology, Vol. 39, No. 511, pp. 511-514 (1967)
	Hansen et al., "On the use of cohesion parameters to characterize surfaces," J. Adhesion, Vol. 15, pp. 275-286 (1983)
	Hansen, "Cohesion parameters for surfaces, pigments, and fillers," Surface Coatings International Vol. 8, pp. 386-391, (1997)
	Shareef et al., "Suspension interaction of pigments in solvents: characterization of pigment surfaces in terms of three-dimensional solubility parameters of solvents," Journal of Coatings Technology, Vol. 58, No. 733, pp. 35-44 (1986)
	Vinther, "Application of the concepts solubility parameter and pigment charge," Chemie des Peintures Engl. Vol. 34, No. 10, pp. 363-372 (1971)
	Schreiber, "Solvent balance, dispersion and rheological properties of pigmented polymer compositions," Journal of Paint Technology, Vol. 46, No. 598, pp. 35-39 (1974)
	Burrell, "The challenge of the solubility parameter concept," Journal of Paint Technology, Vol. 40, No. 520, pp. 197-208 (1968)
	Trudgian, "The pattern of solvent-resin-pigment affinities," Official Digest, Presented at the 41 st Annual Meeting of the Federation of Societies for Paint Technology, pp. 1210-1231 (1963)
	Schroder, Colloid chemistry aids to formulating inks and paints, Harmonization of the energetics of raw materials by using the solubility parameter concept," Vol. 5, No. 98, pp. 334-340 (no date)
	Chasey, "Methods for evaluating oil/polymer interactions in carbon black filled compounds," Rubber World, pp. 35-40 (1993)
	Wolff, et al., "Filler-elastomer interactions. Part VII. Study on bound rubber," Rubber Chemistry and Technology, Vol. 66, No. 2, pp. 163-177 (1993)
	Barton, "CRC Handbook of solubility parameters and other cohesion parameters," pp. 1-21, (1991)
	Kaya, et al., "Interfacial parameters and work of adhesion in soil-liquid systems," Geotechnical Testing Journal, Vol. 23, No. 4, pp. 464-471 (2000)
	Skaarup, "The three dimensional solubility parameter and its use - II. Pigmented Systems," pp. 28-42 (no date)
	Grubenmann, "The solvent dependence of the solubility of organic solids, and solubility parameter theory: investigation by means of an organic pigment," Dyes and Pigments, Vol. 21, pp. 273-292 (1993)
EXAMINER	DATE CONSIDERED
	6/20/94
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	